

## **INDUCTIVE POWER ADAPTER**

### **Abstract**

An inductive power systems transfers energy by inductively coupling a source coil on a power source to a receiver coil on a power portion of a power adapter. The source current is received in the power adapter and converted to direct current for transmission to a computer system. Wireless communication between a power source and the power adapter is provided. A wireless communication arrangement provides for authentication of devices that are allowed by a source to be powered.